

LISTING OF CLAIMS

1-3 (cancelled)

4. (original) An FPD fabricating apparatus comprising:

a process chamber in which a process is performed;

a substrate support plate provided in the process chamber, wherein a to-be-processed substrate is mounted on the substrate support plate;

a transfer chamber through which the substrate is entered into the process chamber from an exterior or through which the substrate is ejected from the process chamber to the exterior;

a robot provided in the transfer chamber, wherein the robot comprises a double blade member having an upper blade and a lower blade on which the substrate is mounted, wherein the double blade member has a reciprocating motion between the process chamber and the transfer chamber, and wherein each of the upper and lower blades has a forked shape of which end is directed from the transfer chamber to the process chamber;

inner lift pins provided in the transfer chamber and the process chamber, wherein the outer lift pins are disposed below the substrate which is mounted on the double blade member, and wherein the inner lift pins are raised up and fallen down while avoiding contact with the forked prongs of the double blade; and

outer lift pins provided in the transfer chamber and the process chamber, wherein the outer lift pins are disposed at outside locations just below the substrate which is mounted on the double blade member, wherein the end portions of the outer lift pins are angled at a horizontal direction, and wherein the outer lift pins are rotated on their own vertical shafts.

PATENT

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5. (original) The FPD fabricating apparatus according to claim 4, wherein the double blade member has a reciprocating translational motion without having a rotational motion.

6. (original) The FPD fabricating apparatus according to claim 4, wherein the inner lift pins are disposed in order to uniformly support the entire substrate.

7-27 (cancelled)